

NEXT MEETING	
DATE	JUNE 18 (THUR.)
E	7PM
PLACE	TERRY SANFORD HIGH SCHOOL FORT BRAGG ROAD
IN THE CAFETERIA	

ACUSOFT JOURNAL



Vol. V No. 9

Atari Computer User's Society Of Fayetteville

June 1987

NEW MEETING NIGHT FOR ACUSOFT

The summer months mark more than just a change in weather but also a change in meeting nights. We will still be meeting at the Terry Sanford High School Cafeteria but June, July and August meetings will be on Thursday nights instead of Wednesdays. So remember that general membership meetings are now on every third Thursday nights at 7:30 pm in the months of June, July and August.

officers is always submitted to the membership in the July and August meetings compiled from those who contact the board. Further nominations are accepted on both meeting nights.

For further information concerning any office of interest, please feel free to contact any of the board members or committee chairpersons as listed on the rear page of the "JOURNAL".

Atari News

compiled by John Nagy

reprinted from Michigan Atari Magazine

exerted from April and May 1987 issues

ACUSOFT ELECTIONS NEAR

Elections are just around the corner. Anyone thinking of running for office has a pretty wide open field. The elected offices are President, Vice-President, Treasurer and Secretary. The remaining positions are made by appointment. These are: 1. Newsletter editor who is the chairman of the Newsletter Committee 2. The Librarian is the chairman of the software committee. Currently ACUSOFT has two librarians, eight bit and ST librarian. 3. The program chairman is the head of the program committee. 4. The BBS committee is headed by the Systems Operator 5. The Historian is responsible for compiling and maintaining the historical records of the society.

The club's constitution state that club officers "shall be elected from the membership by a jajority vote of members present at a general membership meeting held in August of each year and shall serve a term of one year beginning October 1st and ending September 30th".

This means that the nomination process should start as soon as July to continue to the floor the night of elctions in August.

The "lame duck" period from August meeting through the month of September is designed to allow a smooth transition between administrations present and future.

If you would like to run for one of the offices or are interested in holding one of the appointed positions, please let the current board know as soon as possible. A slate of

BATTERIES INCLUDED, Canadian makers of lots of great 8-bit and ST Atari titles (and noted for a recent stance of NO COPY PROTECTION) has been bought by ELECTRONIC ARTS. EA has developed th opposite reputation (HEAVY COPY PROTECTION, ANTI-ATARI, ect.). It looks like EA will continue to support any existing BI products, but is likely to drop those under development. Particularly likely to be dropped is PAPERCLIP ELITE, since it would be a direct competitor with EA's MS WRITE. 8-bit support, look out!

WOULD YOU BELIEVE A 1200 BAUD ATARI MODEM... The company that seems to have changed their motto to "PRODUCTS without the PRODUCTION" now promises that the modem they announced over a year ago will be tested by the FCC and rleased "soon". The modem "will" support the 8-bit direct connection as well as the ST (standard) RS-232 cable. An 8-bit handler (totally new and not compatible with ANYTHING) handler and a special version of KEITH LEDBETTER's EXPRESS! terminal program will be sold SEPARATELY! YIKE!

ATARI CORP OF SCANDANAVIA?? Yes, Atari opened a "daughter" corporation in Sweden sometime in January, 1987... Work is reported progressing there with a dealer network, but further details of what ATARI needed a full fledged CORPORATION for are fuzzy. They have been selling machines overseas at a 2 to 1 ratio faster than stateside... maybe they plan to move?

ATARI CORP has a new vice-president. Former TEXAS INSTRUMENTS and IBM exec JERRY BROWN (not the one Linda Ronstadt was seeing...) is the new VP and General Manager of U.S. Operations.

ARATI STOCKWATCH: After holding near the \$27 high for nearly three months, ATARI stock has in the last weeks been drifting steadily down, to about \$22 at this writing. Continued announced products without actual availability has weakened confidence in the company stock.

Double Density For Atariwriter Plus Getting Around DOS 2.5

by Jim Gross

reprinted from May 1987 "Current Notes"

My initial reaction to "Atariwriter Plus" was probably the same as that of most other users of the "Old" Atariwriter. Atari seemed to have fixed most of the short-comings we had complained about in the earlier program. For example, use of two drives, true double-column printing, insert/overtyping toggle, mailmerge and on and on. Great! We now had an easy to use, inexpensive word processor that stood up very well to the "Big Boys" without requiring a PhD in Word Processing to use.

Our delight quickly turned to dismay, however, when it was discovered that the copy-protected disk included a version of the dreaded DOS 2.5. To many of us that meant no true double density, write verify could not be turned off, a sector-skewed copy could not be made for use with the high speed drives (1050/U.S. Doubler, Indus Synchronesh, etc.) and, and horror or horror, the FORMAT command resulted in the pesky DOS 2.5 enhanced density. And, of course, we could no longer use a "Pet" DOS of our own choosing. The variety of DOS versions and custom variations available has long been one of the delights of working with the Atari.

Not to be easily defeated, I set about investigating this strange new Atariwriter-on-a-disk. A request for a Directory of the program disk from the Atariwriter Plus menu resulted only in a return to the menu. No luck there. If you boot DOS from another disk, however, and then check the program disk directory, Viola! A real disk directory, complete with the familiar DOS.SYS, and AUTORUN.SYS loader and the program itself, AP.OBJ. Other programs on the disk include the Mailmerge, Proof Reader and Printer Driver Editor

utilities. Further experimentation reveals that none of the files are copy-protected! That's right, all the files are fully copyable using the normal DOS COPY file function. It appears that there is a bad sector on the disk which prevents the disk from being copied from the DUPLICATE DISK function but it is not part of any file. The bad sector (sector 72, I believe) is only checked after the program is loaded and before execution. This means that, although the AP.OBJ files can be copied and loaded, it will not execute without the bad sector.

So what, you say? So this means that a copy of Atariwriter Plus in any format can be loaded and executed by any DOS as long as the original program disk with the bad sector is in drive 1. Theoretically at least, you should be able to write a new DOS file to the original program disk, but this would be extremely risky at best, and there is a better, or at least a safer, way.

With this newly acquired knowledge I used the following technique to run Atariwriter Plus in double-density with DOS XL and Indus Synchronesh (skewed-sector format). It should work equally well with SpartaDos and the U.S. Doubler Ultra Speed mode.

1. Boot DOS XL and engage Synchronesh.
2. Make a copy of the AP.OBJ file from the master disk in double-density sector skewed format.
3. Place the copy disk in DRIVE 2.
4. Place your Atariwriter Plus master disk in DRIVE 1.
5. Use DOS to binary load AP.OBJ from Drive 2.

Atariwriter Plus will load, read the bad sector from D:1 and execute. From here on, you're in business! A little cumbersome, but effective! I've used this method with the Indus high-speed mode (Synchronesh) and double-density for some time now and it always works, with ONE EXCEPTION. It will not EXECUTE with an ICD PR: Connection plugged in! It WILL work if you unplug the PRC until after Atariwriter Plus is loaded and running. Then you can plug it back in and all is well. I haven't figured this problem out completely, but it seems to be associated with the loading of the built-in RS232 device handler. That's right! Atariwriter Plus will also print to the serial port, usually meaning a modem. Anyway, the execution aborts using this method if Synchronesh is engaged and the PRC is connected. I'm not sure if this is also the case with the 850 interface, but I suspect it is. A minor inconvenience which could probably be solved with a little more effort.

Thanks Atari! The copy-protection serves its purpose and we still have a little flexibility. I still don't like to handle my original disk, but I supposed as long as Pirates bound, this is as good a compromise as we can hope for. Incidentally, I paid less than \$20.00 mail-order for my copy of "Atariwriter Plus". That includes two disks with mailmerge and spelling checker and a very well written owner's manual. At that price, why would anyone want to steal it? If you don't have "Atariwriter Plus", buy it! Let's support software publishers when they do something right, and we will continue to enjoy this kind of "Power Without the Price".

[Reprinted from the DEC86 edition of Huntsville Atari Users Group Newsletter.]

PORTFOLIO MANAGER

BASIC BYTE, INC.

P.O. Box 924

Southfield, MI 48037

313) 540-0655

8K Disk \$39.95

reviewed by Daniel A. Silvestri Atari users have always had an abundance of entertainment software for the would-be adventurer, sports fanatic or arcade junkie. But when it comes to practical application software packages, how does Atari fare? With their new Portfolio Manager, Basic Byte, Inc. helps balance the scales.

Portfolio Manager is a stock management system that adds to the personal software available for Atari. The program was released first for IBM, Apple and Commodore computers, and, finally, the Atari version is here!

The designers at Basic Byte tell me that this is the first of three related programs to be released for Atari. Options Management and Graphics Analysis are promised to follow shortly. Graphics Analysis will enhance Portfolio Manager, by providing a tool with which to evaluate the performance of your stock portfolio.

Basically, Portfolio Manager is a stock management program and makes no real claims to be an evaluator. You'll therefore get no buy-or-sell advice, no method of tracking the performance of a specific stock and no graphs. There are other programs on the market that will do a lot more, but they also cost a lot more. If you want a program that will keep a record of your stock transactions (with no fancy frills and no fancy price), then this one may interest you.

The program is written in BASIC, so execution is a bit slow. However, you'll forget all that, as the wait primes you for viewing what your portfolio is worth! Portfolio Manager is menu-driven, so there's almost no need for the terse documentation that accompanies it. Within minutes of opening the attractive booklike package, you'll be entering pertinent statistics of your personal stocks. So what can you do with this package?

You have nine selections from the main menu. The first thing to do is select option 1, "Create New Portfolio," which allows you to enter an account name and number, the stock name, current quote, number of shares, total cost of the transaction (including broker's fees) and, finally, the purchase date.

One by one, you enter up to a total of 70 different stocks and 300 total transactions. If these are stocks you've owned for a while, you may want to enter any dividends that you've received by using option 4, "Dividends Payment and Report." In any event, it's probably time to move to option 2, the "Disk I/O Menu."

From this menu, you can load data (a previously SAVED file), save data, display the disk directory (in case you

forget a filename) and format a new data disk. You must SAVE your data after every update. It's also a good idea to SAVE it under different filenames each time you update (Stock1, Stock2, and so on).

By doing this, you can maintain your own performance record of each stock. The program will retain your adjusted purchase price (adjusted for broker's fees) and the current market price. It won't retain a performance schedule, so you won't know if the current price is higher or lower than the price a month ago. For this reason, you can't track a stock to look for trends in the market; you can't see peaks and valleys -- or overall performance -- at all.

Perhaps the Graphics Analysis program promised to follow will alleviate this problem; for now, you're on your own, unless you SAVE as I suggested. You can print out these reports each time you update and create your own track record.

From option 3, the "Change Portfolio Menu," you can add stock recently purchased, or record the transaction if you happened to sell stock. Stock splits will adjust the number of shares, and review/change portfolio allows you to look at all the information in the portfolio and to make any needed changes. File housekeeping lets you purge the buy, sell or dividend records for individual stocks. Option 4, "Dividend Payments and Report," records any dividend payments and gives a year-to-date total.

Okay, it's time for an update. You've owned your stocks for some time now, and you want to get a clear idea as to the portfolio's value. Well, first select option 5, "Enter Current Quotes." Here, you'll be prompted to enter the latest quote for each stock owned. One by one, they'll be brought to the screen, and you'll be allowed to change the per-share price (or leave it the same, if it's unchanged). After you're finished, move to option 6, "Portfolio Value Display."

From the option 6 menu, you can get what you've been waiting for: the answer to the question, "How much is my portfolio now worth?" When I first received the program to review, I spent a theoretical \$2,350 on eight of my favorite picks from the New York Stock Exchange. I updated for about a month or so, and, at this writing, my investment is worth \$2,187.70, down a total percentage change of 7%. In dollars and cents, I'm down \$162.50!

I had made printouts after each update, so that I could see where I went wrong -- what I should have sold and when. You can display or print information on your entire portfolio, listing the stock, number of shares, cost/share at purchase, current quote, present value, percentage change (up or down) and dollar gain/loss. Totals for all categories will also be displayed or printed.

Your "Capital Gain/Loss Display" is accessed through option 7, which will display or print long- and short-term

capital gains and losses. Option 8, "Print Reports," will let you get a hard copy of the dividends payment report, capital gain/loss report, and portfolio value report -- if you have a printer. Finally, option 9 from the main menu exits you from the program.

Portfolio Manager will tidy up your desk and, maybe, thin out your file folder. It will store whatever you tell it when prompted for information. It's easy to use and automatically totals shares, cost, value, and so on. Though the back jacket cover claims "you'll be able to react faster to changing market conditions, spot trends to buy and sell," I think the spotting is up to you, and you'll have to shuffle through your printouts to do it.

I'm looking forward to Basic Byte's upcoming additions, Options Management and Graphics Analysis, to see if they'll increase the productivity of this program.

All in all, Portfolio Manager is a dedicated database that can handle an adequate amount of information and can also be useful as a practice tool for those not yet involved in the roller coaster world of the real stock market.

Author's biography:

Daniel A. Silvestri taught at a university before turning to sales. Now Retail Account Manager in Illinois and Wisconsin for Ashton-Tate, a major manufacturer of business software, he enjoys adventure games, personal management and business software.

ANTIC'S JUNE '87 ATARI CES REPORT 8-BIT NEW PRODUCT ROUNDUP BY NAT FRIEDLAND, ANTIC EDITOR

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JUNE 1, 1987

"Okay, all those letters this month from Antic readers have convinced us there's still an 8-bit Atari market out there," said Springboard Software president John Paulson at his company's CES booth. "You'll be glad to know that Springboard has now started work on an 8-bit Atari version of Newsroom. Newsroom is a popular entry-level page layout program for easy newsletters.

Springboard is already showing an ST version of its Certificate Maker here. This product is currently being shipped.

Good news for Atari graphics users who have been trying to find a touch tablet. Suncom's Animation Station for XL/XE is now available. The included software provides many pre-drawn pictures as well as automatic shape generation. The tablet can be used in place of joysticks or paddles to control any standard Atari software, according to Suncom. At Antic's suggestion, Suncom is now looking into converting their convenient keyboard-mounted joystick for use with the Atari 8-bit and ST.

Strategic Simulations Inc. had extra reason for celebrating at their suite, high above the Chicago River. Last week they signed a contract with TSR to start the first computer versions of the original Dungeons and Dragons games. You should be able to play D&D on your Atari by Christmas.

Datasoft, now being released through Electronic Arts, has two welcome 8-bit titles due out before July. Video Title Shop (\$29.95) lets you create colorful animated

sequences with graphics and moving text -- which can be transferred to your videorecorder tape via standard electronics cables. Video Title Shop includes the Micro-Painter Plus paint program and a library of built-in borders and screen images. Scrolling, position-changes, fadeouts and a whole range of video special effects are supported. A second disk of video "clip art" for the program will also be released this year.

Also from Datasoft at \$29.95 is the second installment of Alternate Reality -- The Dungeon -- which seems to play much faster and more conveniently, with less disk swapping than the earlier installment of this large-scale graphics adventure game.

Most of the unreleased software on display at CES was promised for shipment by early summer. One of the few new packages I was actually able to bring back for review is Virtuoso. This is the long-evolving music/graphics storyboard system that Antic previewed almost two years ago. The XL/XE version is \$49.95 and the ST version is reportedly well along in development.

Infocom had two of its top adventure programmers on hand at the show -- Dave Lebling (Lurking Horror) and Steve Meretzky (Stationfall, Hitchhikers Guide). Brian Moriarty was left home in Boston to continue working on the new Beyond Zork project which will blend role-playing with the text adventure format.

Activision, Infocom's parent company, had only two arcade cartridges for the Atari 2600, Kung Fu Master and Commando.

CES8BIT.677

ST NEW PRODUCT ROUNDUP

BY NAT FRIEDLAND, ANTIC EDITOR,
JUNE 1, 1987

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ST COMING ATTRACTIONS

What looked like a very powerful and easy-handling 2-D drafting and drawing program was being demonstrated by Xetec of Salina, Kansas (makers of the Grafix AT which has been reviewed in Antic). SCAD gives you pages for 16 ST drawings in RAM. All commands can be operated from GEM or from the keyboard. The \$99.95 program is due in September and will not be copy-protected. Page sizes can be defined as large as 2 X 32 inches and many powerful graphics editing tools are built-in. SCAD can convert images into DEGAS format.

We'll also be reviewing Xetec's new Printer Enhancer, a \$249.95 buffer/switcher with 8 built-in type fonts.

A software team from Venezuela was showing MasterCAD 3-D, a \$199.95 program that converts any 2-D image into real 3-D and seems quite easy to operate. The current version requires 1Mb and monochrome. Final U.S. distribution is still being set.

Passport Designs, a leading MIDI software house, is rushing to convert its first ST product -- Master Tracks Pro, a high-powered, user-friendly 64-track sequencer that has been winning rave reviews on the Macintosh this spring. The Passport CES team told Antic that three out of four visitors to their booth wanted this product on the ST instead of the Mac.

Computereyes, a 1986 Antic Award Winner, is being shown at CES in an inexpensive \$149.95 monochrome version (it can produce gray scales on the color monitor). This is the latest Atari video digitizer from Digital Vision. Their ST color unit will be reviewed in the August 1987 issue of Antic.

Another specialized new use for the ST is to run a graphics database for serious chessplayers. SciSys of London is showing two versions of ST ChessBase -- the software that current World Champion Garry Kasparov has been using to prepare himself for tournaments.

With Chessbase Sr., every recent tournament game of an upcoming opponent can be fed into the database and instantly examined from a vast variety of viewpoints to pinpoint potential weak points of play. You can see how an opponent reacts to any standard style of opening or strategy. ChessBase Jr. works with the expensive Leonardo world-class chess computer and the ST. U.S. distribution for all these products was being finalized at CES.

An add-on to PrintMaster Plus, the Print Shop workalike from Unison World, will be a Fonts and Borders disk. Price is not yet set.

GAME GALLERY

Microprose had a customized Link Trainer "flying" on the CES floor as it was piloted with the new Gunship helicopter simulation. The ST version is still under development. Mindscape showed two \$29.95 ST color games designed in England. Q-Ball is a 3-D billiards game played inside a cube where you can adjust the gravity and line up your shots off any wall. Plutos is a shootout where your rocket flies over the scrolling surface of the huge enemy mothership and attempts to destroy it.

From England's Psygnosis, creators of the visually awesome graphic adventure game Brataccas, comes another lushly-detailed extravaganza. Barbarian moves a Conan-type hero through an a vast, scrolling underground kingdom -- color only -- where monsters and hordes of enemy guards must be overcome on every screen.

Electronic Arts is starting to crank out some ST titles too. An enhanced version of Music Construction Set -- with MIDI -- is due in July for \$39.95. Other new features are direct waveform editing and a jukebox playback mode.

EA has also taken over distribution of the First Byte talking ST software. First releases are MathTalk, a flashy arithmetic drill for youngsters, and a talking computer version of Mad Libs, the popular series of humor books where you add inappropriate words to prepared storylines.

Still more from Electronic Arts, a kind of super-Diplomacy strategy game called Empire, where you conquer weaker parts of the world and force them to build weapons and raise new armies for your war machine. But your enemies are just as ruthless, and you can also start the game by re-drawing the map of the world to suit your own tastes.

Logical Design Works has a whole line of fast-moving ST gambling simulations for \$34.95 each. Vegas Gambler combines blackjack, roulette, slot machine and poker machine. Other titles available are Vegas Craps and Club Backgammon.

From Canada Jagware is making its ST debut with Alien Fires, a color-only 3-D space maze arriving this summer.

AVATEX 2400 BAUD MODEM Avatex, well-known for its low-priced Hayes-compatible modems, now has a speedy 2400 baud unit. List price is \$319 but previous Avatex modems have been dramatically discounted.

We ran into some offbeat items for souvenir-hungry Atarians. Classic Covers offers protective covers for Atari computers, monitors, disk drives and printers -- all emblazoned with a big golden fuji symbol and the Atari name.

Another company was showing credit-card-sized pocket calculators featuring the fuji and Atari name.

By the way, Atari used the CES opening to announce that they had a 45% increase in first quarter sales this year -- \$65.1 million -- and they were making a 2-for-1 stock split.

This news bumped up the price of Atari stock by about \$5, to over \$30 per share.

CESST.677

XEP80 (80-column card)

Atari Corp.
1196 Borregas Avenue
Sunnyvale, CA 94086
(408) 745-2000
\$79.95, 16K disk

THE XEP80 ARRIVES

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It's here. Arriving at Antic just as we were about to go to press, the long-promised XEP80 80-column box is being manufactured at the Atari Corp.'s Taiwan manufacturing center and should be available in stores for \$79.95 by the time you read this. The XEP80 displays 80 columns and 24 rows of readable text on your screen. On monochrome monitors, this text is razor-sharp. It's also quite readable on a color monitor, though naturally the characters are smaller than standard 40-column Atari text. Either way, the XEP80 is far superior to any software-only commercial products that produce an 80-column display.

COMPATIBLE SOFTWARE

According to John Skruch, Atari's Associate Director for Software, AtariWriter 80 -- a new 80-column upgrade of the AtariWriter Plus word processor -- was undergoing final testing at deadline and should also be in the stores when the XEP80 arrives in June 1987.

AtariWriter 80 and a new 80-column, single-density version of Atari's Silent Butler personal finance program will be the first commercial software that runs on the XEP80. However, early prototype versions of the XEP80 box were sent to major publishers of 8-bit software -- such as Batteries Included, Broderbund, XEnt and OSS -- with the expectation that existing products will soon be updated for 80 columns.

Inexpensive 80-column trade-up prices for users of the existing AtariWriter Plus and Silent Butler will be offered by Atari, according to Skruch. But no prices for the software have been set as of this writing.

USING XEP80

The XEP80 is about the size of a 1030 modem (5 3/8 x 9 1/4 x 1-3/8 inches) and weighs in at two pounds. It can easily fit atop your disk drive.

The XEP80 connects to your Atari through either joystick port 1 or 2. An XL/XE RCA-jack video cable carries the signal from the back of the XEP80 to your monitor. (Atari says the XEP80 display will not be satisfactory on a television set.)

Keeping the system running is a small 9-volt power supply, the same power unit used with the 2600 videogame system and the still-awaited Atari 1200-baud modem. Note: The power supply that came with our prototype XEP80 tended to grow unusually hot.

The XEP80 also includes a parallel printer port that uses the same 25-pin cable as the ST. If you hold down the [SELECT] key when you boot your computer, the XEP80 will serve only as a parallel printer interface -- without turning on the 80-column display.

UTILITIES AND DEMOS

The disk that comes with the XEP80 contains the AUTORUN.SYS file which installs the handler (which is only about 200 bytes). Commented MAC/65-compatible source code for the handler is also included. Atari's Lane Winner is credited as the main designer of the XEP80 system.

The disk also features a number of impressive demonstration programs written in BASIC and assembly language, as well as detailed documentation and utility software for inserting 80-column handler routines into your own programs.

The XEP80 handler introduces several new commands to Atari BASIC. These take the form of XIO statements which:

- Invert the screen colors (default is white text on a black background).

- Enable underlining.
- Produce a blinking cursor.
- Mix double-width or double-height text with standard-size text.
- Mix blinking text (any width or height) with standard text.
- Enable character-by-character horizontal scrolling with a POSITION statement and an XIO statement.

The XEP80 is immediately compatible with all software that supports E: calls -- such as Atari BASIC (versions A, B and C) and Atari DOS 2.5. During our tests, the XEP80 didn't work with DOS 2.0. GRAPHICS

Built into the XEP80 is 8K of static RAM, which is used as a screen storage buffer to operate the display faster. The XEP80 has two complete character sets built in, the standard 'XE special character set and Atari's international character set.

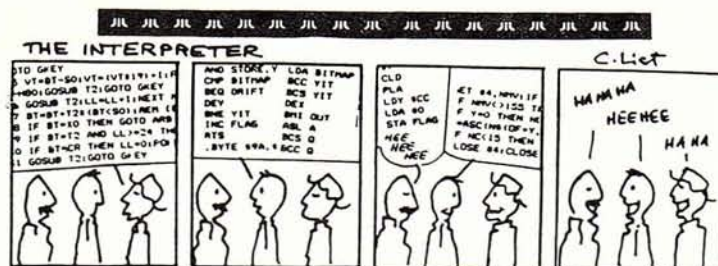
The XEP80 can draw high-resolution bit-mapped graphics covering as much as half the screen. However, the 80-column drawing routines are much slower than standard 40-column drawing. It took five minutes to draw and fill a golfball-sized circle in Graphics 8.

Drawing isn't simple either. The PLOT and DRAWTO statements are not supported and text windows are not

allowed. If your program crashes in the middle of one of these lengthy and complicated bit-map operations, the display remains in bit-mapped mode. You must reboot and start again.

SUMMARY

If you're serious about an 80-column display, the XEP80 won't disappoint you. The text is outstanding on monochrome monitors and acceptably readable on composite color monitors. Beginning and intermediate BASIC programmers will want to explore new ways to use the XEP80's additional XIO commands. Advanced BASIC and assembly language programmers will enjoy adapting the XEP80 handler to their favorite business software, word processor or telecommunications program. XEP80.677



ACUSOFT

The Atari Computer User's Society Of Fayetteville (ACUSOFT) is an independent computer user's club and is not affiliated in any way with Atari Inc. The sole purpose of the club is to develop and share the computer knowledge of the members. Piracy of software will not be tolerated by the club or fostered in any way.

Membership dues are \$18 per year. Payment of dues entitles the member: to attend meetings, to vote, to receive each issue of the newsletter, and to utilize the club library and bulletin board. Each resident in the household of a member is considered an associate member. Associate members are entitled to the same privileges as a regular member, but will not be eligible to vote. Only one newsletter will be sent to each household.

Other Atari user's groups will receive a copy of the newsletter without charge if a copy of their own is sent in return. Such groups may extract any portion of the ACUSOFT Journal for their own use, providing acknowledgement of the source and author is made.

Advertising space is available. Please write ACUSOFT, P.O. Box 1117, Fayetteville, N.C. 28302 for further details.

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Fayetteville, N.C. 28302



NEWSLETTER EXCHANGE PROGRAM

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94577